Insulated Enclosure KO 4722 with flat terminals for plug-in technology





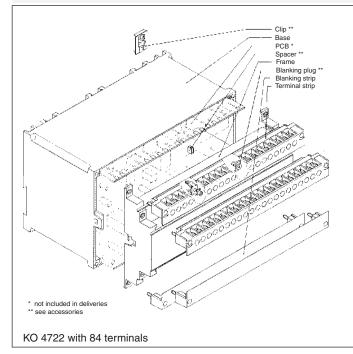
Technical Data

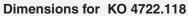
Front colourbeigelight gray RAL 7038blue RAL 5015Enclosure variant with RAL 5015KO 4722.118.42.01.001.005.006front plateOuter dimensions: KO 4722.118.84.02.001: KO 4722.118.84.02.001: Corplying with VIcat ISO 306200 x 123.2 x 118.2 mm 200 x 123.2 x 137.5 mmEnclosure material: complying with VIcat ISO 306PC-GF, base black, front colour see tableTemperature stability: complying with VIcat ISO 306125 °C (Complying with VIcat 138 °C Meth. B:Max. permitted power dissipation: complying with VIcat ISO 75-2Meth. A: 148 °C (Complying with UL 746 B: Meth. B:Specific thermal resistance: Flame retardancy: complying with UE 60 707: BH 2-30St V for stand-alone enclosure at normal climate 23/50-1 BH 2-30Number of terminals: KO 4722.118.42: Max. corsa section for connection: Max. corater resistance to printed circuit board: Max. current carrying capacity:2x 1.5 mm² stranded ferruled DIN 46 228-1/-2/-3/-4 2 x 2.5 mm² solidInsulation of wires length: Max. current carrying capacity: Wire fastening:10 mm Max. 0.8 NmInner connection: Direct connection on PCB, solder connection possibil printed circuit board: 1) Snap-on fastener on top hat rail Enclosure fastener: Enclosure fastener:Creepage current resistance: Type of protection:CTI 175 $\stackrel{a}{=}$ insulated material III aIEC 60 629 Corrent king A433 × 200 mm (on front plate) A3 × 200 mm (on front plate)Print area: KO 4722.118.42: With 42 Eterminals IP 20 Lic 60 529 Lic 60 529 Lic 60 529 Lic 60 529 Lic 60							
RAL 7035RAL 5015withKO 4722.118.42.01.001.011.012front plateKO 4722.118.84.02.001.005.006front plateOuter dimensions:200 x 123.2 x 118.2 mmKO 4722.118.42.01.001:200 x 123.2 x 137.5 mmKO 4722.118.84.02.001:200 x 123.2 x 137.5 mmEnclosure material:PC-GF, base black, front colour see tableTemperature stability:	Order references:		Leans	h			
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KO4722.118.84.02.001.005.006front plateOuter dimensions: KO 4722.118.84.02.001: 200 x 123.2 x 137.5 mmKO 4722.118.84.02.001: 200 x 123.2 x 137.5 mmEnclosure material: Temperature stability: complying with UL 746 B: complying with Vicat ISO 306Meth. B: 148 °C compl.with ISO 75.2 Meth. A: Meth. B: 144 °CSpecific thermal resistance: Flame retardancy: complying with UL 94: complying with UC 60 707: BH 2:30Specific thermal resistance: BH 2:30Rth = 2 K / W for stand-alone enclosure at normal climate 23/50-1 UV, Plate clear = V-2 BH 2:30Number of terminals: KO 4722.118.42: KO 4722.118.43: Terminal material: Max. cortact resistance to printed circuit board: Max. current carrying capacity: $10 \text{ m}\Omega$ $2 \pm 1.5 \text{ mr}^2$ stranded ferruled DIN 46 228-1/-2/-3/-4 $2 \times 1.5 \text{ mr}^3$ solidInsulation of wires length: Max. current carrying capacity: Wire fastening:10 m\Omega $2 \pm 1.5 \text{ mr}^2$ stranded ferruled DIN 46 228-1/-2/-3/-4 $2 \times 2.5 \text{ mr}^3$ solidTorque: Inner connection: Torque: Inner connection:Ct 10 m\Omega $2 = 1 W / \text{ terminal power dissipation}10 \text{ A}Creepage current resistance:Air gap and creepage distance:Type of protection:Ct 17 175 \pm insulated material III aIEC 60 664-1IEC 60 529Insulated material III aIEC 60 529IEC 60 529IEC 60 529IEC 60 529Imminals IP 20IEC 60 529IEC 60 529IEC 60 529IEC 60 529IEC 60 529$	KO 1722 118 12 01	001					
Outer dimensions: KO 4722.118.42.01.001: 200 x 123.2 x 118.2 mm 200 x 123.2 x 137.5 mmEnclosure material: $200 \times 123.2 \times 137.5 mm$ Enclosure material: $PC-GF$, base black, front colour see tableTemperature stability: complying with UL 746 B: complying with UL 746 B: complying with US 75-2 $125 \circ C$ Max. permitted power dissipation: $55 \text{ W for stand-alone enclosure}at normal climate 23/50-1ISO 554Specific thermal resistance:Flame retardancy:complying with UE 94:Womber of terminals:Ht = 2 \text{ K / W for stand-alone enclosure}at normal climate 23/50-1ISO 554Number of terminals:KO 4722.118.42:Wark and the resistance toprinted circuit board:Max. conse section for connection:22 \circ 42 on request2 \times 2.5 mm^2 solid10 \text{ m}\Omega2 \times 2.5 mm^2 solidInsulation of wires length:Max. current carrying capacity:Wire fastening:10 \text{ m}\Omega10 \text{ m}21 \text{ M / terminal screws M3.5}with self raising terminal washers, terminal stripcan be removable separatelyTorque:Inner connection:Direct connection on PCB, solder connection possibil1 Snap-on fastener on top hat railEnclosure fastener:Enclosure fastener:2 \times 2 Screw fixing M4, grid 130 x 130 mmCreepage current resistance:Type of protection:CTI 175 \triangleq insulated material III aIEC 60 664-1IEC 60 529Terminals IP 20IEC 60 529Terminal SiP 20Print area:KO 4722.118.42:KO 4722.118.43:43 \times 200 mm (on front plate)43 \times 200 mm (on front plate)Printed circuit boardWith 42 terminals:43 \times 200 mm (on front plate)43 \times 200 mm (on front plate)$					· · ·		
KO 4722.118.42.01.001: KO 4722.118.84.02.001: Enclosure material:200 x 123.2 x 113.2 mm 200 x 123.2 x 113.5 mmEnclosure material: $200 \times 123.2 \times 113.5 \text{ mm}$ Enclosure material: $PC-GF$, base black, front colour see tableTemperature stability: complying with UL 746 B: complying with US 75-2 $125 \circ C$ So 306Meth. B: Meth. B: $148 \circ C$ ISO 306Meth. B: Meth. B: $144 \circ C$ Max. permitted power dissipation: complying with UE 94: complying with UE 660 707: BH 2-3055 W for stand-alone enclosure at normal climate 23/50-1 BH 2-30Number of terminals: KO 4722.118.42: Max. cross section for connection:V-0; Plate clear = V-2 BH 2-30Number of terminals: KO 4722.118.42: Max. conse section for connection:2 x 1.5 mm² stranded ferruled DIN 46 228-1/-2/-3/-4 2 x 2.5 mm² solidInsulation of wires length: Max. current carrying capacity: Wire fastening:10 mΩ Max. 0.8 NmInere connection: Enclosure fastener:Direct connection on PCB, solder connection possibil 1 Snap-on fastener on top hat rail EN 50 022 2) Screw fixing M4, grid 130 x 130 mmCreepage current resistance: Ar gap and creepage distance: Type of protection:CTI 175 \triangleq insulated material III a EC 60 664-1 2 4 mmAr gap and creepage distance: KO 4722.118.42: KO 4722.118.43: KO 4722.118.44:83 x 200 mm (on front plate) 43 x 200 mm (on front plate)Print area: KO 4722.118.44: KO 4722.118.44:83 x 200 mm (on front plate) 43 x 200 mm (on front plate)Printed circuit boardge printed circuit designPrinted circuit board:<		1.001	1.000	1.000			
KO4722.118.84.02.001:200 x 123.2 x 137.5 mmEnclosure material:PC-GF, base black, front colour see tableTemperature stability: complying with UL 746 B:125 °Ccomplying with Vicat128 °CISO 306Meth. B:ISO 307Meth. A: Meth. B:Max. permitted power dissipation:55 W for stand-alone enclosure at normal climate 23/50-1Specific thermal resistance: romplying with UL 94: complying with UE 60 707: Number of terminals: KO 4722.118.42:75 W for stand-alone enclosure at normal climate 23/50-1KO 4722.118.42: romplying with UE 60 707: Number of terminals: KO 4722.118.84:42: <42 on request 84: < 84 on request							
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Temperature stability: complying with UL 746 B: 125 °C125 °Ccomplying with Vicat ISO 552148 °CISO 306Meth. B: Meth. B:148 °Ccompl.with ISO 75-2Meth. A: Meth. B:138 °CMax. permitted power dissipation: Complying with UL 94: complying with UL 60 707:55 W for stand-alone enclosure at normal climate 23/50-1ISO 554Specific thermal resistance: Flame retardancy: complying with UL 94: complying with UL 60 707:55 W for stand-alone enclosure at normal climate 23/50-1ISO 554Number of terminals: KO 4722.118.42: Terminal material:42; < 42 on request 84; < 84 on request							
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Meth. B: $ 144 \circ C$ Max. permitted power dissipation:55 W for stand-alone enclosure at normal climate 23/50-1ISO 554Specific thermal resistance:Rth = 2 K / W for stand-alone enclosureFlame retardancy: complying with UE 94: complying with UE 66 707:W for stand-alone enclosureNumber of terminals: KO 4722.118.42:V-0; Plate clear = V-2KO 4722.118.44:42; < 42 on request			148 °C				
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Flame retardancy: complying with UL 94: complying with IEC 60 707:Har E have the table and t	Max. permitted power dissipation:						
complying with UL 94: complying with IEC 60 707: BH 2-30V-0; Plate clear = V-2 BH 2-30Number of terminals: KO 4722.118.44:42; < 42 on request 84; < 84 on requestKO 4722.118.44:42; < 42 on request	•		$R_{th} = 2 \text{ K} / W$ for stand-alone enclosure				
KO 4722.118.42: KO 4722.118.84: $42; < 42$ on request $84; < 84$ on requestTerminal material:CuSn6 tin-platedMax. cross section for connection: $2 \times 1.5 \text{ mm}^2 \text{ stranded ferruled DIN 46 228-1/-2/-3/-4} 2 \times 2.5 \text{ mm}^2 \text{ solid}Insulation of wires length:10 mmMax. contact resistance toprinted circuit board:10 m\Omega10 \text{ A}Max. current carrying capacity:10 \text{ m}\Omega10 \text{ A}Wire fastening:10 \text{ m}\Omega10 \text{ A}Torque:10 \text{ m}\Omega10 \text{ A}Inner connection:Direct connection on PCB, solder connection possibleEnclosure fastener:1) Snap-on fastener on top hat rail130 \times 130 \text{ mm}Creepage current resistance:CTI 175 \triangleq insulated material III aAir gap and creepage distance:24 mmType of protection:Enclosure IP 401EC 60 664-1Print area:KO 4722.118.42:83 x 200 mm (on front plate)43 x 200 \text{ mm} (on front plate)Printed circuit board:see printed circuit designGuide ribs on the small side and on theenclosure bottom for 5 PCBsNet weight:with 42 terminals:approx. 540 g$	complying with UL 94:		,				
KO 4722.118.84: 84 ; < 84 on requestTerminal material:CuSn6 tin-platedMax. cross section for connection: $2 \times 1.5 \text{ mm}^2 \text{ stranded ferruled DIN 46 228-1/-2/-3/-4} 2 \times 2.5 \text{ mm}^2 \text{ solid}$ Insulation of wires length:10 mmMax. contact resistance to printed circuit board: $10 \text{ m}\Omega$ $10 \text{ m}\Lambda$ Max. current carrying capacity: $10 \text{ m}\Omega$ 10 A Wire fastening: $10 \text{ m}\Omega$ 10 A Torque: $10 \text{ statistication on PCB, solder connection possibilication on PCB, solder connection possibilication on PCB, solder connection possibilication precision max. 0.8 NmInner connection:Direct connection on PCB, solder connection possibilication price to connection on PCB, solder connection possibilication price to connection on post trailEnclosure fastener:2 \text{ mm}Type of protection:CTI 175 \hat{=} insulated material III aType of protection:Enclosure IP 40Terminals IP 20IEC 60 529Terminals IP 20IEC 60 529Print area:KO 4722.118.44:KO 4722.118.44:43 x 200 mm (on front plate)Ko 4722.118.44:See printed circuit designPrinted circuit boardSee printed circuit designPrinted circuit board holder:Guide ribs on the small side and on the enclosure bottom for 5 PCBsNet weight:with 42 terminals:approx. 540 g$	Number of terminals:						
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Wire fastening:captive plus-minus terminal screws M3.5 with self raising terminal washers, terminal strip can be removable separatelyTorque:max. 0.8 NmInner connection:Direct connection on PCB, solder connection possibleEnclosure fastener:1)Snap-on fastener on top hat railEN 50 022 2)Screw fixing M4, grid 130 x 130 mmCreepage current resistance:CTI 175 $\hat{=}$ insulated material III aAir gap and creepage distance:2 4 mmType of protection:Enclosure IP 40 IEC 60 664-1Type of protection:Enclosure IP 40 IEC 60 529 Terminals IP 20 contact protection complies with VGB 4Print area: KO 4722.118.42:83 x 200 mm (on front plate) 43 x 200 mm (on front plate)Printed circuit board:see printed circuit design Guide ribs on the small side and on the enclosure bottom for 5 PCBsNet weight: with 42 terminals:approx. 540 g			$10 \text{ m}\Omega$ } $$ = 1 W / terminal power dissipation				
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Terminals IP 20IEC 60 529contact protection complies with VGB 4Print area: KO 4722.118.42:83 x 200 mm (on front plate) 43 x 200 mm (on front plate)KO 4722.118.84:43 x 200 mm (on front plate)Printed circuit board:see printed circuit designPrinted circuit board holder:Guide ribs on the small side and on the enclosure bottom for 5 PCBsNet weight: with 42 terminals:approx. 540 g	1 0		\geq 4 mm				
Print area: KO 4722.118.42:83 x 200 mm (on front plate) 43 x 200 mm (on front plate)KO 4722.118.84:43 x 200 mm (on front plate)Printed circuit board:see printed circuit designPrinted circuit board holder:Guide ribs on the small side and on the enclosure bottom for 5 PCBsNet weight: with 42 terminals:approx. 540 g	•••		Terminals I	P 20	olioc with VC	IEC 60 529	
KO 4722.118.42:83 x 200 mm (on front plate)KO 4722.118.84:43 x 200 mm (on front plate)Printed circuit board:see printed circuit designPrinted circuit board holder:Guide ribs on the small side and on the enclosure bottom for 5 PCBsNet weight: with 42 terminals:approx. 540 g	Print area:		contact pro				
KO 4722.118.84:43 x 200 mm (on front plate)Printed circuit board:see printed circuit designPrinted circuit board holder:Guide ribs on the small side and on the enclosure bottom for 5 PCBsNet weight: with 42 terminals:approx. 540 g			83 x 200 m	nm (on front	plate)		
Printed circuit board holder: Guide ribs on the small side and on the enclosure bottom for 5 PCBs Net weight: with 42 terminals:							
enclosure bottom for 5 PCBs Net weight: with 42 terminals: approx. 540 g	Printed circuit board:		see printed circuit design				
with 42 terminals: approx. 540 g	Printed circuit board holder:						
with 64 terminals: approx. /10 g	with 42 terminals: with 84 terminals:		approx. 540 g approx. 710 g				
Accessories:	Accessories:		-				
ET 4072-1-2: Clip for screw fixing							
ET 4720-0-60: Spacer for PCB coding ET 4720-37 1: Blanking strip beige	ET 4720-0-60: ET 4720-37.1:		Spacer for PCB coding Blanking strip beige				
ET 4720-37.1: Blanking strip beige							
ET 4720-37.3: Blanking strip blue							

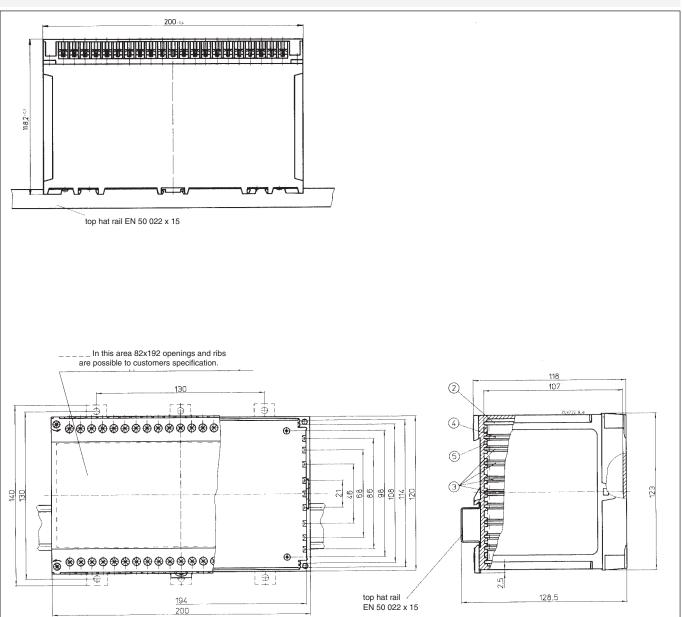
All specifications correspond to the technology used at time of publication. We reserve the right to make improvements and changes of a technical naturre at any time.

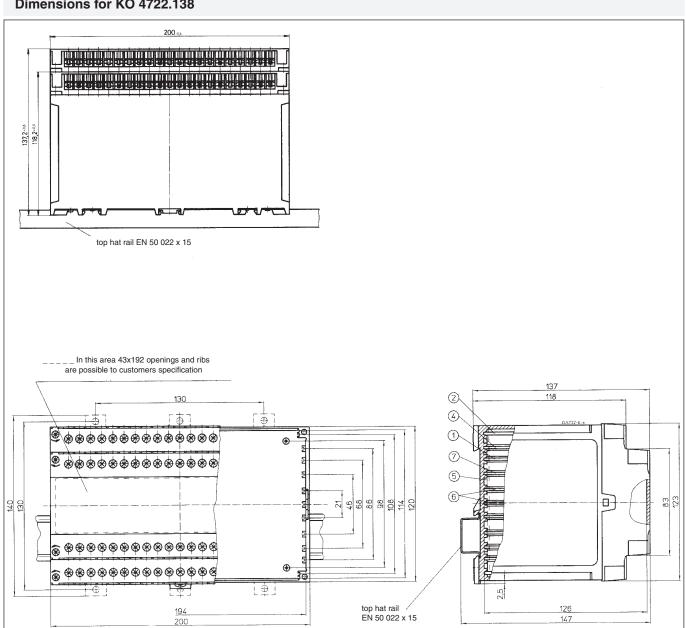
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Exploded view



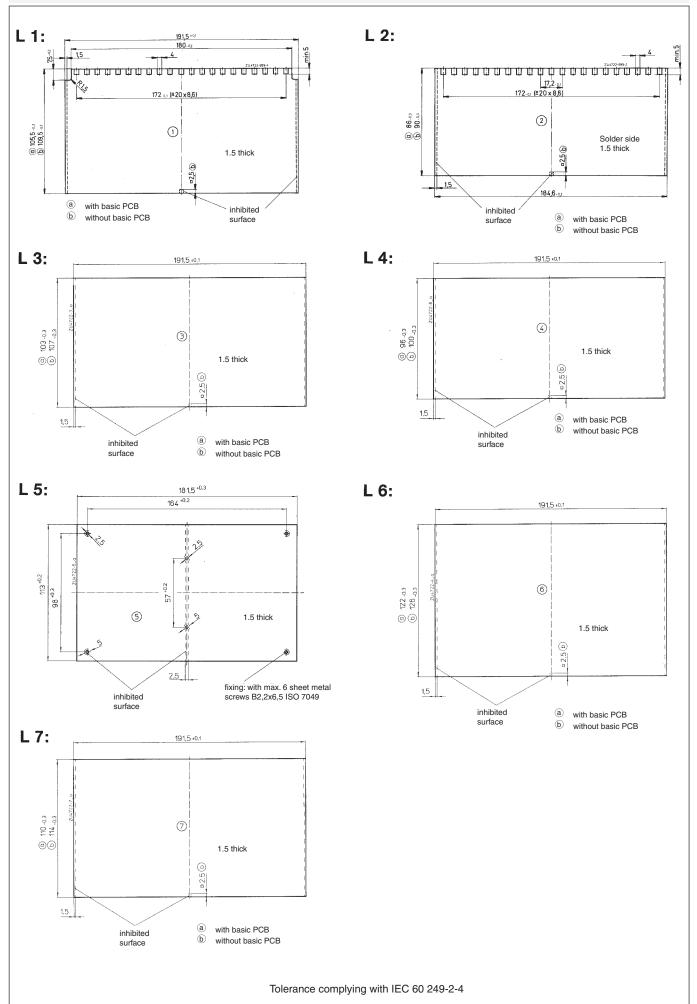






Dimensions for KO 4722.138

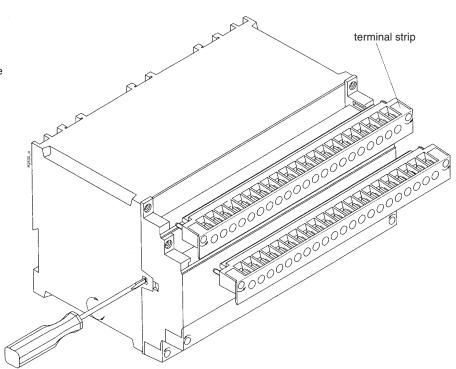
Printed circuit board designs

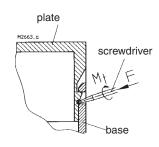


Notes on Housing Opening

Enclosure for plug-in technology

To remove the front plate first unscrew the terminal strips fixing screws and lift off the terminal strips.





To remove front-frame insert an 0.8×4.0 or 0.8×4.5 screwdriver into the side recess, on the hood, and turn lightly to the left or right until the snap-in lug disengages. Repeat in the opposite side.

E. Dold & Söhne GmbH & Co. KG • D-78120 Furtwangen • Bregstraße 18 • Phone +49 7723 654-0 • Fax +49 7723 654356